

# THE TECH

## DAILY

VOL. XXIX. NO. 23.

BOSTON, MASS., MONDAY, OCTOBER 25, 1909

PRICE ONE CENT

### UNION DINING ROOM LOSING MONEY

#### Possibility Of Discontinuance Average Attendance Too Small

In spite of the many improvements which have been introduced, the Union dining room has not been as successful as could be desired. In fact during all of this year there has been a steady loss.

In view of these many improvements, both in service and in the whole general arrangement of the dining room, the management is somewhat at a loss to account for the decrease in attendance.

This year the average daily attendance does not come to more than one-third of what it was last. During last year the number of men served daily, averaged about nine hundred. This year there are not more than three hundred meals served. About twenty men eat breakfast and dinner—five times that number was the rule last year.

It has been suggested that the Union no longer being a novelty, the loss is due to this. This is at best a very unsatisfactory explanation.

The original plan was to have students act as waiters, and with this idea in view, the wages of the student waiters is to be increased commencing to-day. At present there is only one student waiter on duty at a time, although at the class dinners there have been as many as twelve to fifteen.

### SOPHOMORES DEFEATED

#### Outclassed By Lowell Textile In Poorly Played Game

Lowell Textile played the sophomore football team to a standstill in their game at Washington Park at Lowell on Saturday. It was a very poorly played game, marred by much fumbling and offside play.

In the first half Textile had her regular line up in the field and was able to carry the ball about as she wished. In the second half the Textile School put in all its second team men and substitutes, but even against these, the sophomores made a very poor showing.

Textile. Technology.  
Keough, l.e. .... r.e., Torrey  
Middleton, l.t. .... r.t., Barnes  
Zobal, Kelsey and Walsh, l.g. ....  
..... r.g., Kebben  
McCleary, e. .... c., Shuttleworth  
Phillips and Standish, r.g. ....  
..... l.g., Whittlesey  
Sidebottom, r.t. .... l.t., Kimball  
Smith, Burnham and Hale, r.e. ....  
..... l.e., Robinson  
Manning, q.b. .... q.b., Roberts  
Wise, Crane and Harris, l.h.b. ....  
..... r.h.b., Raymond  
Heath, Jefferson, r.h.b. .... l.h.b., McOsker  
Jefferson, Smith, f.b. .... f.b., Beal  
Score—Textile, 15; Tech, 0. Touch-  
downs—Wise, Jefferson, Middleton.  
Goals missed from touchdowns—Jeff-  
erson, 3. Referee—Huegin. Umpire—  
Fischer. Head linesman—White of  
Lowell. Linesmen—Brady and Bascom.  
Timer—Aldrich.

### MACHINE FOR TUG-OF- WAR MEN DESIGNED

#### Will Enable Coaches To Size Up Teams And Find Their Efficiency

Next Monday Prof. C. F. Peck will try out a new scheme of his on the freshman and sophomore tug of war. Last year a machine was in operation by which the pull of the tug-of-war men was ascertained. This year Prof. Park has arranged a machine which will make the men pull, as well as registering the amount they pull.

This machine will be set up Monday if possible, and the trials for the sophomore team will then be held. Later in the week a captain of the team will be elected.

Those who reported this afternoon were C. A. Duyser, K. C. McKenney, N. A. Hall, G. S. Sawyer, R. F. Simonds, P. L. Flansburg, H. L. Wochling, H. F. Ferguson, G. H. Hakes, E. L. Sullivan, A. G. Heneshaff, K. H. Brown, R. E. Wilson, Ballard R. Cremer, M. C. Mason, H. U. Coddling, L. Mathews, R. I. Stone, H. G. Manning, T. C. Fisher.

#### 1913 Tug-of-War.

The 1913 men are turning out in good numbers for the tug-of-war team. Yesterday afternoon enough men came out to split up in two teams and pull against each other. This team practiced on the old Oval. The coach will be able to get a good line on this team when he sees the amount they pull next week after Prof. Park sets up his machine.

#### COURSE XIII.

Although very few men take up Course XIII, it is one of the broadest courses in the institute.

A great deal of time is spent studying mechanical engineering and electrical engineering. This fact enables a man to change over to either of these other courses, if he does not like the work of Course XIII.

In the first term of the second year the course is almost the same as Course II. In the second term of the year it varies slightly, giving the men a little knowledge of shipbuilding. This makes them competent to take a position in a ship-building establishment, thus giving them practical as well as theoretical training.

In the third year the men start the first term with planning a yacht. This yacht is usually built on racing lines. After the plans are drawn out, a model is made and tests are carried out on this.

Last year a yacht was designed by Ted Geary 1910, which would have won the Pacific Coast championship had it not been disqualified on a technicality. As it was, it won every race it competed in.

These plans are usually completed by the end of the first term, when the class starts to work on a large steamer.

This work takes all of the time for the rest of the third and fourth years.

Aside from the work in the draughting, the course is very complete in academic studies.

A new record has been established by the great coast defense guns at Fort Hancock, N. J. At a range of about four miles, with ten-inch disappearing rifles, the battery there fired four successful shots in one minute at a target, thirty by sixty feet, which was towed by a tug.

At Friday's election, the Socialists won another seat in the Reichstag, which had been regarded as a stronghold of the National Liberals.

### SOPHOMORES WIN ANNUAL TRACK MEET

1912-47, 1910-41, 1909-27, 1913-9

#### Two-Mile Won by Watkins Feature of Meet, Time 10 Min. 29 Sec. G. B. Cummings 1910 and J. L. Bray Score Highest Individual Honors

Nearly every event at the Annual Fall Handicap Meet last Saturday was hotly and consistently contested. A raw, cold damp day was the best that the weather man could give us, but there was no wind and the times made were far from poor.

Although the points do not count for the inter-class cup, it is interesting to know the results which are as follows: 1912-47 points, 1910-41 points, 1911-27 points and 1913-9 points. It is almost impossible to handicap a number of men so as to have a fair and square race in every event, but never before was a meet so accurately handicapped as this one.

G. B. Cummings 1910, and J. L. Bray 1912, were the individual stars, each winning ten points. Cummings took both the high and low hurdles from scratch and Bray won the discus and the hammer throw. H. G. Watkins 1912, P. D. White 1911, and D. F. Benbow 1912, are tied for second honor with a first and second each.

The surprise of the day occurred when J. P. Maxfield 1910, ran away with the 220-yard dash and took second in the quarter mile. It was obvious that he was overhandicapped in the furlong sprint, but it cannot be laid to the handicapper, as this was practically his first appearance in open competition.

There was a big entry for the century. Four heats of six men had to be run, first and second qualifying. The first heat went to R. C. Thompson 1913, with L. E. Reed 1912 second, time 10 2-5 seconds. P. D. White, the old sophomore standby and last year's winner, took the second heat in the same time, with A. D. Conant 1913 second. Two freshmen, C. E. Trull 1913, and J. F. Foley 1913, captured the third heat, shutting out the scratch man, W. J. Seligman 1911, time 10 4-5 seconds. C. W. Gotherman 1913 and K. D. Hamilton 1913 captured the fourth heat, time 10 4-5 seconds.

A. D. Conant 1913, won the semi-final heat in 10 4-5 seconds. In the final heat, the men bunched at the tape, the first three men inside of two yards, C. E. Trull 1913, finished first, a yard ahead of White, who just nosed out second place from R. C. Thompson 1913. Time, 10 -5 2seconds.

In the mile, the men were strung out at first owing to the handicaps which made the result uncertain up to the last lap. B. C. Huber 1911 and J. D. McKenzie 1911, showed the way for the first three laps. Meanwhile the scratch man, H. G. Watkins 1912, was slowly but surely creeping up to the leaders. He passed the nearest man, L. O. Mills 1911, on the first lap and caught the leaders on the third. Down the back stretch on the final lap, McKenzie broke away from Huber with Watkins and R. D. Van Alstine 1911 at his heels. On the turn, Van Alstine sprinted, followed by Watkins, who was unable to catch him and was beaten to the tape by five yards, McKenzie taking third. Time 4 minutes, 40 2-5 seconds.

M. A. Oettinger, 1912, started the quarter mile with a sensational sprint from the mark, although next to low man, he had passed the field by the end of the first turn, running an excellent 220 yards. His strength gave out, however, and he had to be content with third place. R. H. Gould 1911, easily won the event from the lowest mark,

and J. P. Maxfield 1910, the black horse, squeezed in for second. Time, 53 4-5 seconds.

G. B. Cummings 1910, had an easy time in the hurdles with E. J. Marceau 1912, the only other contestant in the high hurdles, he won easily in 17 1-5 seconds. Three men ran the low hurdles, but one fell. Cummings, again, easily won out, followed by R. H. Allen 1910. Time, 26 4-5 seconds.

In the half-mile, P. D. White 1911, ran through a large field from scratch, winning out in 2 minutes 8 3-5 seconds. W. S. Davis 1910, and E. J. Marceau 1912, took second and third respectively.

Fine heats were run in the furlong dash, one man qualifying. J. P. Maxfield 1910, took the first heat in 23 3-5 seconds. A. D. Conant 1913 and H. G. Peck 1913, captured the second and third in 24 1-5 and 25 seconds respectively. An exciting race occurred in the fourth heat when P. Hart 1910 and W. W. King 1910, ran shoulder to shoulder across the line. Hart broke the tape and was given the heat, time 24 seconds. The fifth heat went to R. H. Allen 1910, in 23 3-5 seconds. Maxfield won the final by a strong finish from Allen. Third went to A. D. Conant 1913.

H. G. Watkins ran a heady race in the two-mile, laying back throughout the first mile. This race was the best performance of the day. Running easily, he began to close up the gap between himself and the leaders. At the end of the sixth lap he passed the nearest man and started on the seventh in fourth position. Never varying his stride he soon overtook the leaders and romped across the line an easy winner, time 10 minutes 29 seconds. H. S. Benson 1912 and K. Cartwright 1912, took second and third.

J. L. Bray 1912, easily won the hammer with a throw of 116 feet, and beat his class-mate, D. F. Benbow 1912, in the discus throw by 4-10 inches. R. H. Allen 1910 took third in the discus. The other places in the hammer went to Arnold 1911 and H. S. Birchard 1913, the freshman treasurer.

D. F. Benbow 1912, won the 16 pound shot with a put of 35.5 feet. H. S. Gott 1910, the scratch man took second, and the third place went to H. L. Chamberlain 1910 took third.

B. Jones 1910, won the high jump with an actual jump of 5 feet 2 inches. P. W. Dalrymple 1912 and P. G. Lanman 1911, an old navy man, tied for second. With a generous handicap, H. Greenleaf 1912, took the pole vault from the record holder, W. D. Allen 1911. H. S. Gott 1910 was third.

J. Becker, Jr. 1912, won the broad jump from scratch, distance 20 feet, 1-4 inches. H. S. Gott 1910 and C. E. Trull 1913, took second and third respectively.

The Summary.  
100-yard dash, preliminary heats. First heat won by R. C. Thompson 1913, 5 yards; S. E. Reed 1912, 3 yards, second. Time, 10 2-5 seconds. Second heat won by P. D. White 1911, 3 yards; A. D. Conant 1913, 4 yards, second. Time, 10 2-5 seconds. Third heat won by C. E. Trull 1913, 4 yards; J. F. Foley 1913, 8 yards, second. Time, 10 4-5 seconds. Fourth heat won by C. W. Gotherman 1913, 6 yards; K. D. Hamilton 1913, 4 yards, second. Time, 10 4-5 seconds. Heat for second

(Continued on page 2.)

## THE TECH.

Published daily except Sunday during the college year by students of the Massachusetts Institute of Technology.

General Manager,  
R. H. Ranger 1911

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S. C. Bates, 1911 ..... Associate Editor

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Single Copies 1 Cent.

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BOSTON, MASS., OCTOBER 25, 1909.

The fact that the Union dining room is losing money to such an extent that there is a possibility of its being closed will doubtless come as a surprise to many. The principal reason for this state of affairs seems to be a lack of interest on the part of the students. There are some men who have not even tried the Union this year and there are many who have condemned it because of the fact that everything was not to his liking at the beginning of the year.

There are doubtless some particulars in which the present system is open to criticism, but the way to remedy the existing state of affairs is to stop "knocking" the system as a whole and put definite complaints and suggestions for their remedy in the suggestion box.

Every man in the Institute ought to take sufficient interest in the Union dining room, an Institute affair, backed by the Corporation, to at least give it a fair trial and, if he finds anything not to his liking, to make his complaint to the management and not to the men intending to eat at the Union.

### CALENDAR.

Monday, Octobe 25.

1911 Polls Open.

1:00 P. M.—Golf Meeting at 21 Rogers.

1:00 P. M.—Chess Club Meeting, 20 Eng. B.

1:00 P. M.—Mass Meeting in Huntington Hall.

Tuesday, October 26.

4:15 P. M.—Banjo Club Rehearsal, 33 Rogers.

Chem. Society Dinner.

E. H. S. vs. 1912 Track.

Naval Architectural Society Meeting in 26 Eng. C.

Wednesday, October 27.

8:00 P. M.—Mining Eng. Soc. Meeting. Newton High vs. 1912 Football.

Thursday, October 28.

4:15 P. M.—Mandolin Club Rehearsal.

4:15 P. M.—Banjo Club Rehearsal, 33 Rogers.

Friday, October 29.

8:00 P. M.—Union Night.

Saturday, October 30.

2:00 P. M.—Orchestra rehearsal in Union

### CURRENT EVENTS.

Commander Robert E. Peary has telegraphed to scientific friends in Washington, D. C., claiming that it was impossible for Knud Rasmussen, the Danish explorer, to have seen any of the members of the Frederick A. Cook party, and that any information which Rasmussen received was not at first hand. Therefore, he argues, Rasmussen's statements should be given no importance in weighing the north pole controversy.

The first aeroplane agency in New England has been established here in Boston.

## SOPHOMORES WIN

(Continued from page 1.)

men won by A. D. Conant 1913, 4 yards; S. E. Reed 1912, 3 yards, second. Time, 10 4-5 seconds. Final heat won by C. E. Trull 1913, 4 yards; P. D. White 1911, 3 yards, second; R. C. Thompson 1913, 5 yards, third.

220-yard dash, preliminary heats. First heat won by J. P. Maxfield 1910, 9 yards. Time 23 3-5 seconds. Second heat won by A. D. Conant 1913, 4 yards, Time, 24 1-5 seconds. Third heat won by H. G. Peck 1913, 10 yards. Time 25 seconds. Fourth heat won by P. Hart 1910, 10 yards. Time 24 seconds. Fifth heat won by R. H. Allen 1910, 5 yards. Time, 24 seconds. Final heat won by J. P. Maxfield 1910, 9 yards; R. H. Allen 1910, 5 yards, second. A. D. Conant 1913, 4 yards, third. Time, 23 3-5 seconds.

440-yard dash won by R. H. Gould 1911, 12 yards; J. P. Maxfield 1910, 15 yards, second; M. A. Oettinger 1912, 13 yards, third. Time, 53 4-5 seconds.

320-yard run won by P. D. White 1911; scratch; W. S. Davis 1910, 30 yards, second; E. T. Marceau 1912, 30 yards, third.

Mile run won by R. D. Van Alstine 1911, 35 yards; H. G. Watkins 1912, scratch, second; J. D. McKenzie 1911, 80 yards, third.

Two mile run won by H. G. Watkins 1912, scratch; H. S. Benson 1912, 60 yards, second; K. Cartwright 1912, 80 yards, third. Time, 10 minutes 29 seconds.

120-yard hurdles won by G. B. Cummings 1910, scratch; E. T. Marceau 1912, 8 yards, second. Time, 17 1-5 seconds.

220-yard hurdles won by G. B. Cummings 1910, scratch; R. H. Allen 1910, scratch, second. Time, 26 4-5 seconds.

Running high jump won by B. Jones 1910, 5 inches, height 5 feet 7 inches; P. W. Dalrymple 1912, scratch, and P. G. Lauman 1911, scratch, tied for second at 5 feet 6 inches.

Running Broad jump won by J. Becker, Jr. 1912, scratch, distance 20 feet 1-4 inch; H. S. Gott 1910, 6 inches, second, distance 19 feet 5 1-2 inches; C. E. Trull 1913, 5 inches, third, distance 19 feet 3 3-4 inches.

Pole vault won by H. S. Greenleaf 1912, 14 inches, height 10 feet 3 inches; W. D. Allen 1911, scratch, second, height 11 feet 3 inches; H. S. Gott 1910, third.

Putting 16 pound shot won by D. F. Benbow 1912, 6 inches, distance 25 feet 5 inches; H. S. Gott 1910, scratch, second, distance 34 feet 11 inches; H. L. Chamberlain 1910, minus 14 inches, third, distance 34 feet 7 inches.

Hammer throw won by J. L. Bray 1912, 5 feet, distance 116 feet; G. W. Arnold 1911, scratch, second, distance 95 feet 6 inches; H. S. Birchard 1913, 10 feet, third, distance 89 feet 6 inches.

Discus throw won by J. L. Bray 1912, 10 feet, distance 97 feet 7 inches; D. F. Benbow 1912, 10 feet, second; R. H. Allen 1910, 10 feet, third, distance 87 feet 7 inches.

Officials:—Referee, Dean A. E. Burton; starter, F. M. Kanaly; clerk of course, P. G. Pearson 1911; manager of the track team, judges at the finish, C. Sittinger 1910, John Avery, Jr. 1910 and K. D. Fernstrom 1910; timers, M. S. Chapin 1910 and H. G. Huffsmith 1911; field judges, W. R. Dray, Yale 1908, Professor C. E. Park and G. W. Swett 1903; measurers, C. Carpenter 1912, J. A. Bigelow 1911, I. W. Wilson 1911, Dudley Clapp 1910, and W. C. West 1911; gate, D. R. Stevens 1911; scorer, G. C. Kenney 1911.

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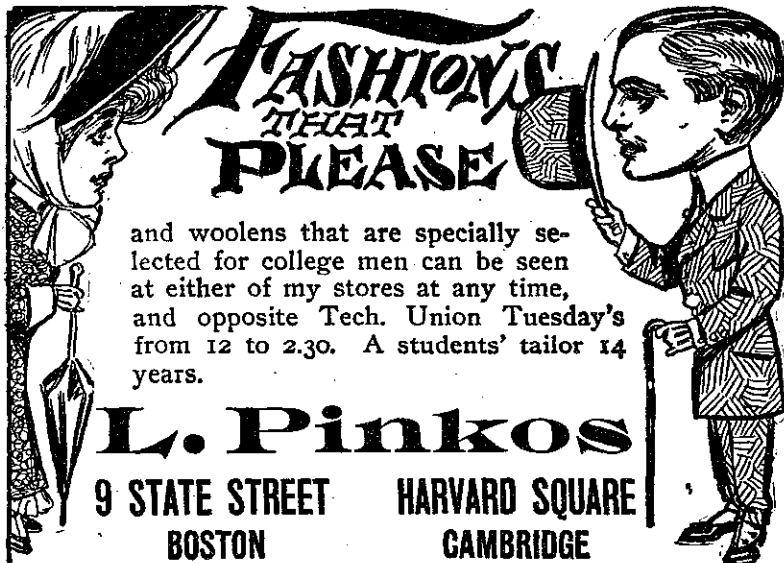
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## NAVAL ARCH DINNER

### Plans for More Frequent Meetings

The Naval Architectural Society held its first dinner Friday evening at a down town hotel.

The dinner was attended only by the active members of the society for the purpose of holding an informal talk at which the plans for the year could be discussed.

Every member spent an enjoyable evening, besides collecting enough of "Naval Arch Spirit" to make him want to see things hum for the Society during the coming year.

The general opinion was that frequent informal dinners should be held at which members could relate experiences and incidents of a nautical character which would prove of interest and value to the other members of the course.

Alternating with these informal dinners it was planned to hold smokers at the Union at which members could become better acquainted with each other.

Besides these smokers the usual formal banquets will be held at the Technology Club, where prominent men of the profession will make addresses of a beneficial nature.

In addition to these gatherings several trips were spoken of that might be made to neighboring yards on Saturday afternoons. These could be arranged by members who were familiar with the points of interest and also would therefore be able to pilot the men around to good advantage.

Some discussion took place as to the possibility of making a trip through the larger ship yards of the Atlantic coast sometime about Christmas or mid years.

Because of the large attendance, strong interest, and good feeling shown at the dinner, things look bright for the future of the society.

The next meeting will be held on Tuesday, Oct. 26, in Eng. C. All members are urgently requested to be present as several matters of importance have come up during the past week that must be settled at once.

## OPTION BY PROF. CROSS

If enough men apply for the course, Prof. Cross will give a series of fifteen lectures on Polarized Light and its applications, on Monday afternoon, at 4 o'clock, beginning today in 22 Walker.

This course is open to students of the third, fourth and graduate years, and is similar to the lectures last year on Radio Activity. It is scheduled in the catalogue as No. 813, and is purely elective, no examination being required.

Prof. Cross will discuss the phenomena of plane, circular, and elliptical polarization; together with rotary polarization and electromagnetic relations of light. These subjects will be fully illustrated by experiments. Different forms of polarimeters and saccharimeters will also be considered.

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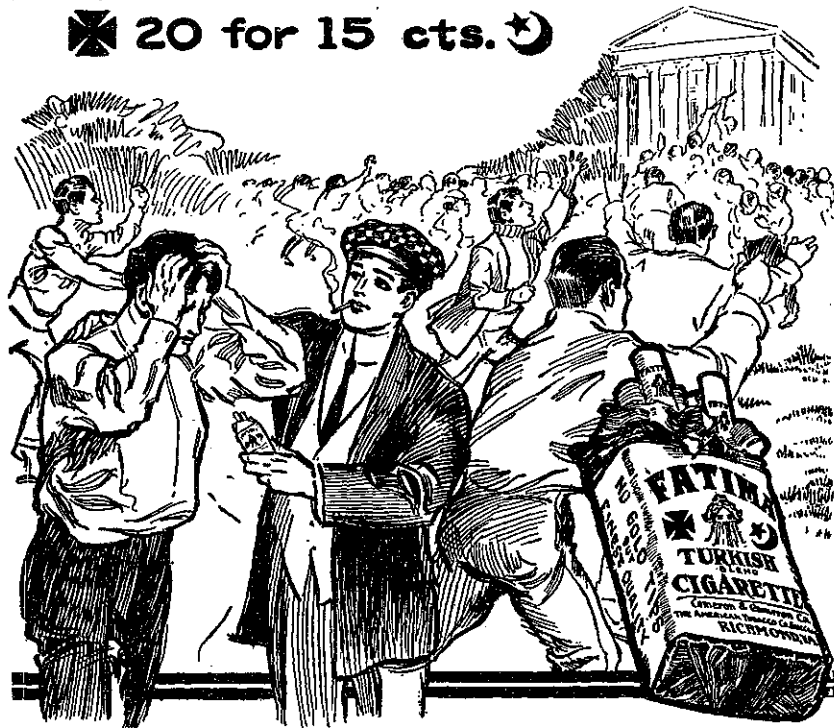
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## GENERAL NOTICES.

### FRENCH I.

Students who wish to take a course in French I—three exercises a week with six hours preparation, should leave their tabular view cards with Professor Bigelow, room 31 Lowell, by noon of Thursday, the 21st instant.

A section of this subject is formed to recite to Mr. Blachstein in Room 22, Lowell, on Tuesdays from 8 to 9, Thursdays from 4 to 5, and in Room 30 Lowell on Saturdays from 12 to 1. Exercises will commence on the 26th instant.

Students should bring to the first recitation in French I, Chardenal's Complete French Course (Revised Edition), published by Allyn & Bacon. It may be bought at MacLachlan's.

### GERMAN II.

Section 8—Dr. Kurrelmeyer, instructor, will recite hereafter on Saturday from 12-1, instead of Fridays from 2-3.

### GERMAN I.

A new section is formed in this subject and designated as section b. Commencing on Wednesday, the 20th, this section will recite to Dr. Kurrelmeyer on Monday, Wednesday and Friday, from 8 to 9, in room 30 Lowell.

Students are assigned or reassigned to sections as indicated in the following lists:—

#### SECTION (a).

H. A. Babcock, F. A. Baker, C. S. Barnes, D. Bassett, W. H. Baxter, E. M. Bridge, P. V. Burt, E. G. de Coen, C. A. Crawford, E. W. Davis, R. C. Elcock, J. Carza, H. W. Greeley, J. D. Hassett, E. Hurst, R. M. Lowe, T. S. Manley, A. J. Marcom, C. A. Robb, W. C. H. Stevenson, E. D. Verby. Mr. Erhardt in room 29 Lowell.

#### SECTION (b).

C. H. Albee, L. R. Block, H. M. Caswell, A. D. Conant, K. F. R. Dey, K. Greenleaf, G. H. Jones, R. S. Martin, A. Morrison, R. J. Murphy, E. S. Neily, J. B. Pierce, N. H. Poor, R. D. Sampson, L. A. Stover, H. A. Sweet, E. G. Taylor, E. L. Wadsworth, P. D. White, C. H. Wood, W. S. Woods. Dr. Kurrelmeyer in room 30 Lowell.

#### SECTION (c).

S. K. Basu, E. T. Dobbyn, H. K. Franzheim, C. W. Gotherman, H. Greenleaf, E. Kerr, F. D. Murdock, E. Nicholson, F. L. Rand, R. A. Randall, H. A. Robinson, L. M. Sandstein, I. Siskonsky, W. D. Stevens, G. W. True, R. J. Tullar, R. P. Wallis, M. L. Waterman, R. W. Weeks. Mr. Meister in room 21 Lowell.

Tech is to help on that \$500,000 for the new Young Men's Christian Association. See to-morrow's Tech for particulars.

### Mining Engineering Society.

Meeting at the Union 8:00 P. M. Wednesday, Oct. 27. Mr. Geo. A. Packard, III, 1890, mining engineer, will speak. Sophomores especially invited. Refreshments. 22,23

**BRITISH EMPIRE.**—All men from the British Empire are requested to leave their names at the Cage for the President British Empire Association.

On next Friday night the Union Entertainment Committee has arranged to have Mr. F. P. Fish of the New England Telephone and Telegraph Company as a speaker.

**FOUND.**—Set of drawing instruments. Apply at Bursar's office.

### 1911

1911 ballots for the Junior Class Elections will be ready on Monday, October 25, 1909. A ballot for every member of the class will be left at the "Cage." Call for your ballot, whether or not your dues are paid up to date. Men from other colleges who are new in the class, may also obtain ballots by application at the "Cage" and by signing the Constitution, which will be at the Cage.

**1913 MASS MEETING TUESDAY, OCTOBER 26, HUNTINGTON HALL, 1.00 P. M.**

## CURRENT EVENTS

The first aeroplane agency in New England has been established here in Boston.

A new record has been established by the great coast defense guns at Fort Hancock, N. J. At a range of about four miles, the battery there fired four successful shots in one minute at a target, thirty by sixty feet, which was towed by a tug.

Formal announcement has been made that half of the excavation of the Panama Canal was completed in the early part of this month. \$7,172,058 cubic yards of earth have been taken out. This is a larger work than that previously done by the French engineers.

A party of sixty of the leading business and professional men of Japan arrived in Boston, Saturday morning on its tour of the United States. They are here to study American ideas and methods in business.

**Patronize those who patronize  
The Tech---The following are  
those who patronize The Tech**

**ATTRACTIONS.**  
Electrical Show.

**BARBERS.**  
Rowan & Curry.  
M. J. Hannigan.

**BANKING HOUSES.**  
National Shawmut Bank.  
State Street Trust Co.

**BOOKSTORE.**  
Old Corner Bookstore.

**CIGARETTES.**  
Fatima.  
Tasha.

**CONFECTIONERY.**  
Apollo Chocolates.

**ENGINEERS.**  
Stone & Webster.

**GLOVES.**  
Miss Fiske.  
Fownes.

**HARDWARE.**  
Wardsworth & Howland.

**HATTERS.**  
Collins & Fairbanks.  
Sphinx.

**HOTELS.**  
Hotel Brunswick.  
Hotel Cumberland.

**JEWELERS.**  
Bent & Bush.

**MEN'S FURNISHINGS.**  
Arrow collars.  
Boston Garters.  
Collins & Fairbanks.  
C. F. Hovey & Co.  
Ely Meyer & M. C. Simon.  
Jordan & Marsh.  
Macaular Parker.  
Noyes Bros.  
Shuman & Co.

**PRINTERS.**  
Geo. H. Ellis.

**RESTAURANTS.**  
Copley Lunch.  
Lombardi Inn.  
Petit Lunch.  
Preston's Coffee House.  
A. G. Cotton.

**SHOES.**  
McMorrow.

**SPORTING GOODS.**  
A. G. Spalding.

**STATIONERS.**  
Faber Pencils.  
MacLachlan.  
Moore's Pens.

**THEATER TICKETS.**  
Herrick.

**TYPEWRITING.**  
Miss Sawyer.

**TAILORS.**  
Ely Meyer & M. C. Simon.  
Morse & Henderson.  
Patten.  
Pinkos.  
Shuman.  
Smullen & Co.

**Season Ticket Holders.**  
Get Your Reserved Seats for Field Day  
from Manager Pearson or  
Asst. Manager Benson  
**MONDAY**  
to  
**THURSDAY**  
Room A, Union 8.45-9.00, 1.30-2.00  
Rogers Corridor, 9.00-11.00  
Non-Holders Get Seats After Thursday.